

MARINE SAFETY MANUAL

3.A.2.c(8)(b)i.

- f. Revised Wire and Cable guidance (NVIC 2-89 Section 8, MSM 3.G.14.b) reflecting alterations to 46 CFR 111.60, clarifying UL listing of shipboard cable, and providing additional guidance for MIL-C-915 cables
 - g. Revised Components and Equipment guidance (NVIC 2-89 Section 9, MSM 3.G.16.a), clarified that regulations of this part do not apply to aids to navigation
 - ii. Added table 3G-1, Applicable Electrical Regulations
 - iii. Added new section on Gel Cell Batteries (3.G.6.c) to provide a brief description of new equipment that may be encountered
 - iv. Added guidance regarding use of emergency generator to 3.G.19.a based on IACS and SOLAS determinations
 - v. Added guidance regarding emergency loads to 3.G.19.c based on public question
 - vi. Added alarm signal sound pressure level guidance to 3.G.20.d, provided distances based on public question
- (9) MSM Vol IV, CH 3 Section H, Novel Vessel Designs
- (a) Previous MSM IV Ch3 Sections:
 - i. MSM Vol IV, CH 3, Section N, Novel Vessel Designs.
 - ii. MSM Vol IV, CH 3, Section P, Deepwater Ports.
 - (b) Alterations:
 - i. Updated office designations (ex: Commandant (G-MSE-3) replaced Commandant (G-MTH-2)).
- d. The Future of MSM IV Ch3. The second phase of the MSM Vol IV, Ch3 revision will include a more detailed review and update of the existing text, as well as the addition of new topics. Phase two changes will likely include:
- (1) Changing the format to that used by the Marine Safety Manual Volume II, Material Inspection, COMDTINST M16000.7A (series)
 - (2) Update to reflect latest regulations and policy.
 - (3) Guidance for new vessel types such as FPSOs.
 - (4) Descriptions and explanations of new technologies inspectors may encounter, such as cycloconverters and fuel cells.
 - (5) Insertion of the useful information contained in the electrical and mechanical NVICs, the same approach as used with "Guide for Electrical Installations on Merchant Vessels and Mobile Offshore Drilling Units", COMDTPUB P16700.4, NVIC 2-89 in this revision. These NVICs include:
 - 1-69, Automated Main and Auxiliary Machinery
 - 1-71, Repair of Boiler Safety Valves
 - 2-71, Pipe Stress Analysis Calculations; Procedure for Submission of
 - 4-71, Valves Employing Resilient Material
 - 7-73, Main Propulsion Boiler Automation
 - 7-74, Oil-Water Separators; Acceptance of
 - 1-78, Automation of Offshore Supply Vessels of 100 Gross Tons and Over
 - 2-79, Aluminum Bus Bars
 - 1-81, Guidance for Enforcement of the Requirements of the Port and Tanker Safety Act of 1978(PTSA) Pertaining to SBT,